

## Message Text

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ORIGIN INT-05

INFO OCT-01 NEA-09 ISO-00 AGR-10 TRSE-00 OES-05 COME-00

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DRAFTED BY INT;OWRT;JWO'MEARA  
APPROVED BY NEA/ARP:FMDICKMAN  
INT:OWRT:JWO'MEARA  
INT:OIA:BBURNS  
NEA/ARP:SWBUCK

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O 282106Z APR 75  
FM SECSTATE WASHDC  
TO AMEMBASSY JIDDA IMMEDIATE

UNCLAS STATE 098352

E.O. 11652: N/A

TAGS: USSAEC, AGR, SA, US

SUBJECT: DEMINERALIZATION PROJECT EVALUATION ASSISTANCE

REFS: STATE TELEGRAM 083884

FOLLOWING INFORMATION TO BE PASSED TO TAHER OBEID, DEPUTY  
MINISTER WATER AND AGRICULTURE, RYIAD, SAUDI ARABIA.

1. RESPONDING TO YOUR REQUEST FOR INFORMATION ON THE  
NECESSITY OF INCLUDING LIME-SODA SOFTENING AS A PRETREAT-  
MENT SYSTEM FOR A REVERSE OSMOSIS DESALTING PLANT, WE ARE  
PLEASED TO OFFER THE FOLLOWING INFORMATION.

2. BASED ON THE INFORMATION AVAILABLE TO US, WE BELIEVE  
LIME-SODA SOFTENING IS ESSENTIAL AS A PRETREATMENT STEP  
IF THE DESALTING PLANT IS REQUIRED TO ATTAIN 88 PERCENT  
PRODUCT WATER RECOVERY AS REQUIRED BY THE SAG SPECIFICA-  
TIONS.

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3. THEORETICALLY, IT SHOULD BE POSSIBLE TO ACHIEVE UP TO

80 PERCENT PRODUCT WATER RECOVERY WITHOUT LIME-SODA SOFTEN-  
ING, UTILIZING INSTEAD A RELATIVELY INEXPENSIVE DUAL  
FILTRATION SYSTEM.

4. IT MUST BE YOUR DECISION TO DETERMINE IF THE ADDITIONAL  
8 PERCENT PRODUCT RECOVERY IS WORTH THE ADDITIONAL CAPITAL  
INVESTMENT AND OPERATING COST.

5. UNDER THE PLAN PROPOSED BY KAMEL MUSTAFA FOR UTILIZA-  
TION OF THE BRINE EFFLUENT BLENDED WITH TREATED SEWAGE,  
THE ADDITIONAL 8 PERCENT OF BRINE WOULD NOT BE WASTED, BUT  
RATHER WOULD BE PRODUCTIVELY UTILIZED IN A SECONDARY  
APPLICATION.

6. TIME CONSTRAINTS DO NOT PERMIT A MORE COMPREHENSIVE  
REPORT. IF YOU REQUIRE ADDITIONAL DETAILS, WE SUGGEST  
YOU SEND YOUR TECHNICAL ADVISOR TO THE UNITED STATES TO  
MEET WITH OUR ENGINEERS AT EARLIEST POSSIBLE DATE. KISSINGER

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